

Title (en)
DOUBLE FLANK DELASH GEAR MECHANISM

Title (de)
DOPPELFLANKENGETRIEBEMECHANISMUS ZUR VERMEIDUNG VON SPIEL

Title (fr)
MECANISME D'ENGRENAGE DOUBLE FLANC A SUPPRESSION DE JEU

Publication
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Application
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Abstract (en)
[origin: WO2004113006A2] A gear arrangement includes a first section having a first plurality of teeth (26) and at least a portion of the first section is made of a compliant material. There is also a second section having a second plurality of teeth (24). The second section is made of a stiff material. The first section is arranged axially adjacent to the second section and each of the first plurality of teeth (26) has a tooth flank (44a, 44b) that changes axially across the tooth flank (44a, 44b). A method for manufacturing a gear arrangement includes fabricating a first gear (14), which includes a first plurality of teeth (26), and a bearing (18) from a compliant material. The method also includes mounting a second gear (12), which includes a second plurality of teeth (24), to the bearing (18), aligning the first plurality of teeth (26) with the second plurality of teeth (24), and coupling the first gear (14) with the second gear (12).

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